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PTO/SB/08A (10-96)

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number 10/036,992
Filing Date DECEMBER 29, 2001
First Named Inventor SAFWAT, Sh rif
Group Art Unit 3643
Examiner Name Kurt Rowan
Attorney Docket Number 2194DIV1

Sheet 1 of 5

U.S. PATENT DOCUMENTS

Examiner Initials [*]	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		1,026,544		YAMAMOTO, Takejiro	05/14/12	
		1,552,269		BROCKER, Walter C.	09/01/25	
		1,897,224		ANDREWS, Phillip R.	08/31/31	
		2,162,115		PAULS, Peter T.	06/13/39	
		2,511,057		GUTHRIE L., et.al.	06/13/50	
		2,590,586		THOMPSON, W.E. et.al.	03/25/52	
		2,792,617		HALLER, John, W.E.	05/21/57	
		2,816,386		HARRIS, V.L. et.al.	12/17/58	
		2,823,576		NEEDHAM, E.R., et.al.	02/18/58	
		2,999,413		MOMOI, Kazuo	09/12/61	
		3,041,915		RYFFEL, K., et.al.	07/03/62	
		3,102,357		LUKETA, Frank J.	09/03/63	
		3,129,632		STARR, Robert J.	04/21/64	
		3,131,501		LUKETA, Frank J.	05/05/64	
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		3,369,317		BROWNELL, N. C.	02/20/68	
		3,606,815		YAMASHITA S., et.al.	09/21/71	
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FOREIGN PATENT DOCUMENTS

Examiner Initials [*]	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Ts
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		DE	3543253	A1		06/1987		
		FR	2521065			08/1983		
		JP	57-13660			03/1982		
		JP	59-71630			04/1984		
		JP	60-30630			02/1985		
		JP	60-39782			03/1982		
		JP	60-88160			05/1985		
		JP	60-139860			07/1985		
		JP	61-386			08/1986		

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Application Number	10/036,992
Filing Date	DECEMBER 29, 2001
First Named Inventor	SAFWAT, S.
Group Art Unit	3643
Examiner Name	Kurt Rowan
Attorney Docket Number	2194DIV1


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Signature**

Date Considered

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet	3	of	5	Application Number	10/036,992
				Filing Date	DECEMBER 29, 2001
				First Named Inventor	SAFWAT, Sherif
				Group Art Unit	3643
				Examiner Name	Kurt Rowan
				Attorney Docket Number	2194DIV1

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Batill, S.M., et al., "An Experimental Investigation of the Flow Field Around Yawed Stranded Cables"	
		Naval Coastal Systems Center, Panama City, Florida (1989)	
		Batill, S.M., et al., "Flow Field Studies on Yawed, Stranded Cables," in Flow Visualization, V, R. Reznicek ed.,	
		Hemisphere Publishing Corp., pp.391-396 (1990)	
		Batill, S.M., et al., "Detailed Near Surface Flow ABOUT Yawed, Stranded Cables", Coastal systems Station, Dehlgren Division,	
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		Diggs, Jesse S., "Hydrodynamic Characterization of Various Towed Array Towcables," Towed systems Branch,	
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		Endeco, Inc., "Haired Faired Cable," Endeco Towed Systems (date unknown)	

Examiner Signatur		Date Considered	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **4** of **5**

Complete if Known

Application Number	10/036,992
Filing Date	DECEMBER 29, 2001
First Named Inventor	SAFWAT, Sherif
Group Art Unit	3643
Examiner Name	Kurt Rowan
Attorney Docket Number	2194DIV1

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Flugwiss, Z., Weltraumforsch 14, p. 40 (date unknown)	
		Garner, John "How to Make and Set Nets or The Technology of Netting," Fishing News Books Limited, 1962	
		Hoerner, S.F., "Fluid-Dynamic Drag," published by author, pp. 3-2 and 4-4 (1965).	
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		Hunt, J.C.R., "Industrial and Environmental Fluid Mechanics," Annual Review of Fluid Mechanics 23, pp. 10-12 (1991).	
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		Mehta, Rabindra D., "Aerodynamics of Sports Balls," Ann. Rev. Fluid Mech. 17:151-189 (1985).	
		Nebres, Jose V., "Flow Around Yawed Stranded Cables," Master's Thesis, University of Norte Dame, Indiana (1989).	

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Sheet

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Application Number

10/036,992

Filing Date

DECEMBER 29, 2001

First Named Inventor

SAFWAT, Sh rif

Group Art Unit

3643

Examiner Name

Kurt Rowan

Attorney Docket Number

2194DIV1

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		Nebres, Jose V., "Wake Similarity and Vortex Formation for Two-Dimensional Bluff Bodies," Doctoral Dissertation, University of Norte Dame, Indiana (1992).	
		Oceanographic Ribbon Fairing Cable, The rochester Corporation, Cat-82 (date unknown).	
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		Journal of Fluid Mechanics 206:595 and 597, 1989.	
		The Zippertubing Co. product data sheets and bulletins for DVH-20 AND DVH-40 cable fairings, specifications, and installation (date unknown).	

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